

PERMIT APPLICATION: NRS 07-125

APPLICANT: David Erwin and Larry Plemons
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LOCATION: Southeast of Brainerd, north of the Hamilton/Catoosa County Line, intersection of Gentry Road and Primrose Lane. Unnamed tributary to South Chickamauga Creek. Hamilton County.

WATERSHED DESCRIPTION: South Chickamauga Creek, Chickamauga Lake (HUC 06020001). Subject property and surrounding property consists of residential development, hay fields and scattered woodlots. The unnamed tributary is intermittent. It is 3-feet wide, 1-2 feet deep and substrate of grass and rock. The wetlands are basically a facultative plant dominated wetland consisting of hackberry, privet, poison ivy, and Virginia creeper. The unnamed tributary and wetland are Tier 1.

PROJECT DESCRIPTION: The applicant proposes to construct a residential development that will require the placement of fill in 0.08-acre of jurisdictional wetland and the relocation of 528 linear feet of the unnamed tributary.

The unnamed tributary will be relocated into a channel 548 feet long channel, one foot deep and three feet wide with 2:1 bank slopes and a gravel substrate with widely scattered boulders or similar in-stream habitat features. The riparian zones will be planted with native tree species such as red maple, sweetgum, sycamore, honey locust, pin oak, and hackberry on ten foot centers in at least two alternating rows along the lower bank and only one row along the upper or back bank. No one species shall comprise more than 25% of the total. No blasting will be allowed in the construction of the new channel.

The relocated channel shall be monitored for five years with annual reports submitted to this office. Tree shall be guaranteed at a 75% survival rate.

Approximately 181 linear of gravity flow sewer line shall be constructed through the northwest corner of the wetland. The wetland crossing shall be constructed according to standard protocol which consists of the segregation of the top and subsoil, placement of plugs or collars within the trench, the replacement of the soil in the manner in which it was removed, the establishment of pre-existing contours and left to re-vegetate naturally.

The applicant shall monitor the wetland crossing and submit annual reports to this office for at least two years to guarantee that the wetland returns to pre-existing jurisdictional status.

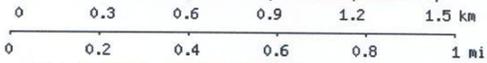
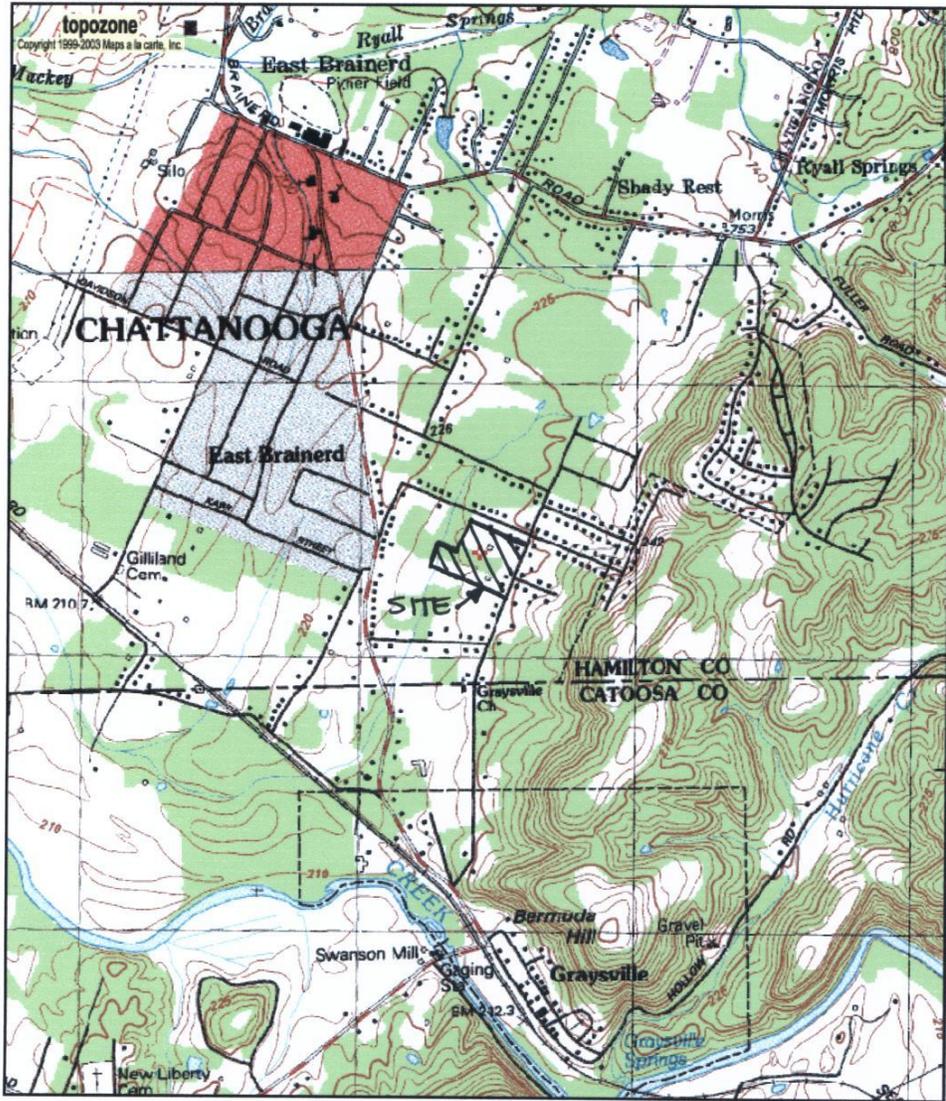
The division's Land Use Restrictions shall be placed on the remaining 1.66 acres of jurisdictional wetland and relocated channel.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality

USGS TOPOGRAPHIC QUADRANGLE: **East Ridge 113 NW**
34.9906 N; -85.1433 W

PERMIT COORDINATOR: Mike Lee

More details on the proposal can be viewed on the internet at
<http://www.state.tn.us/environment/wpc/ppo/arap>.



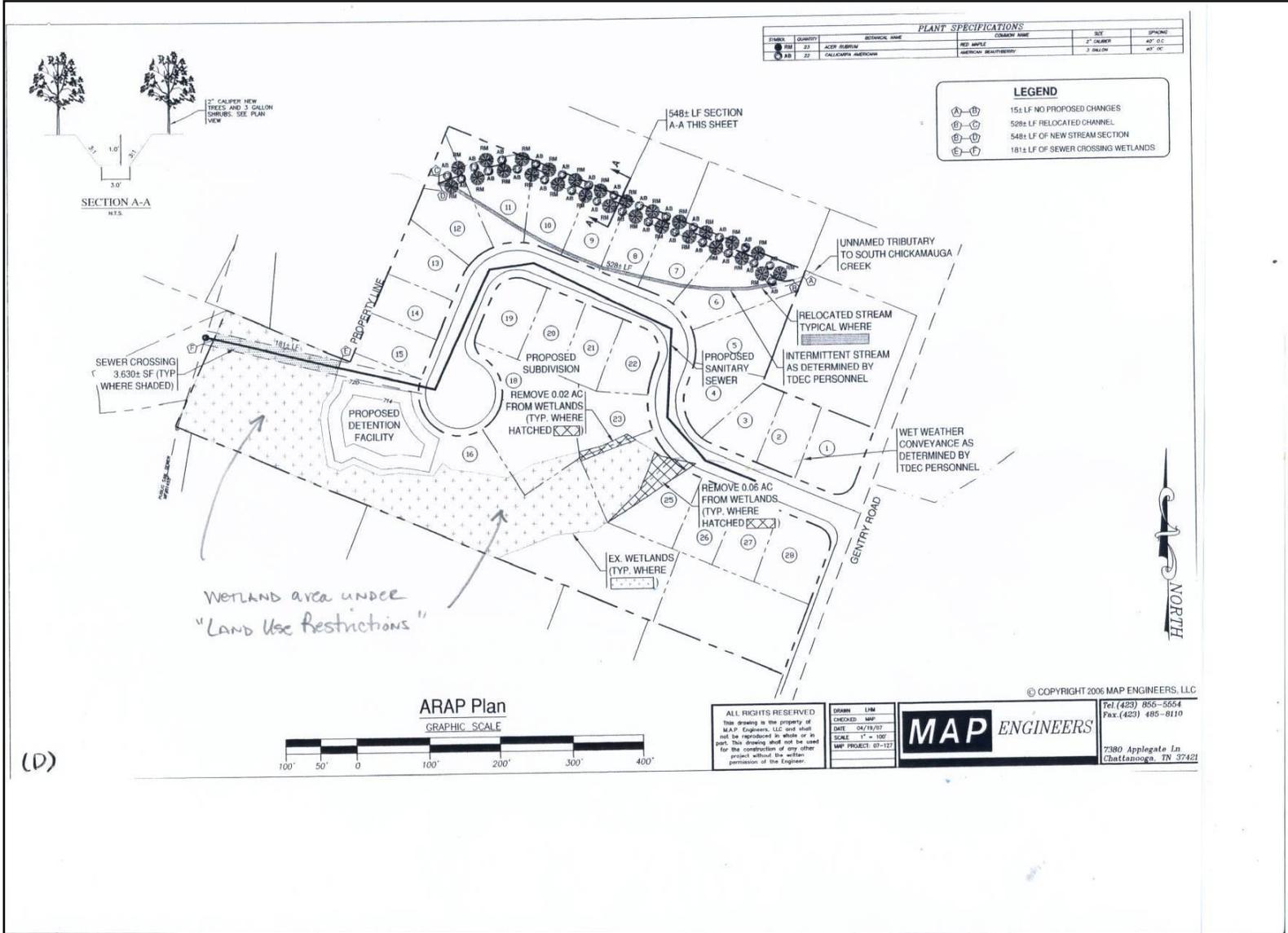
34° 59' 27"N, 85° 08' 37"W (NAD83/WGS84)
Irwin Hills (subdivision), USGS East Ridge (TN,GA) Quadrangle
Projection is UTM Zone 16 NAD83 Datum

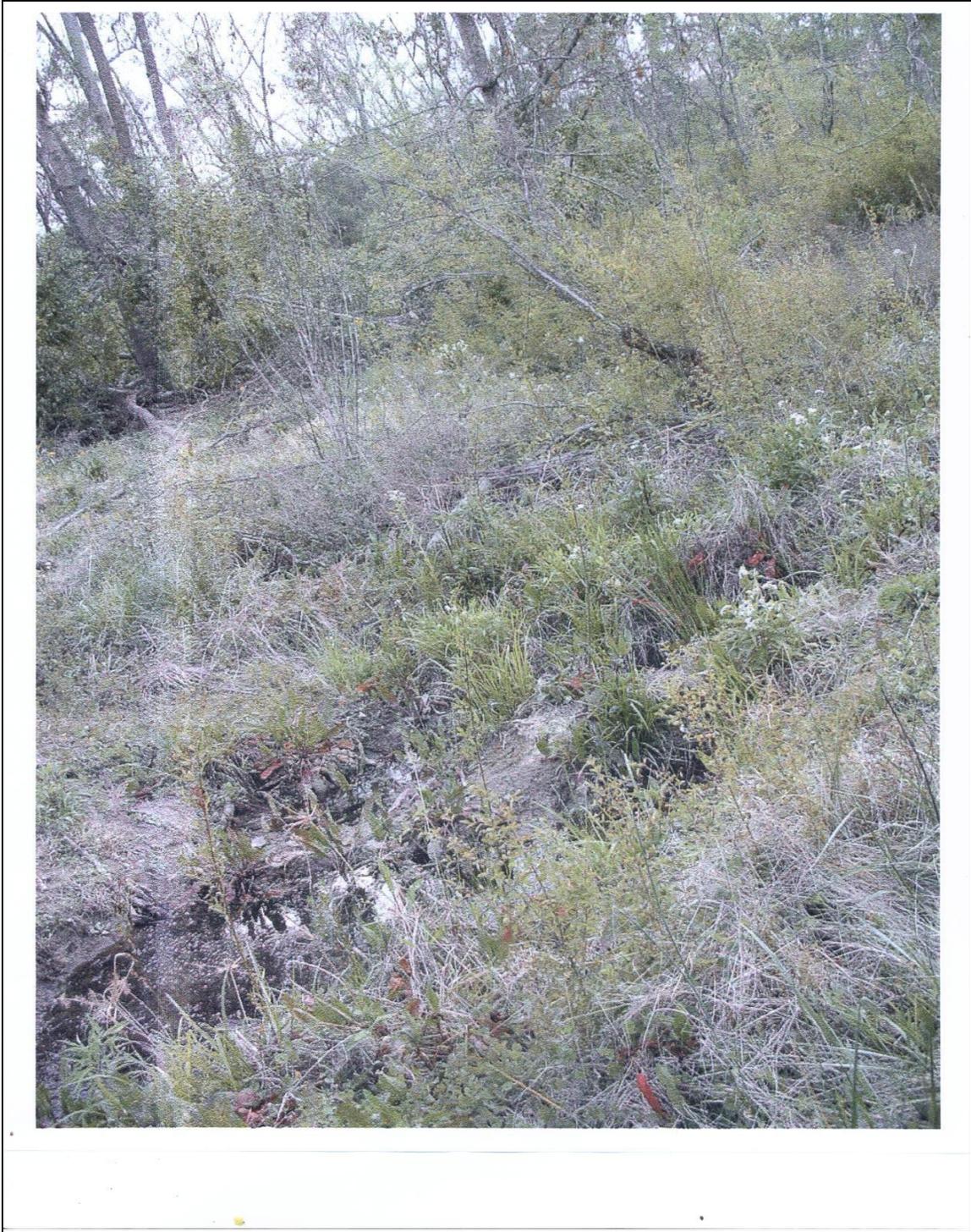


<http://www.topozone.com/print.asp?lat=34.99078&lon=-85.14356&size=l&u=6&layer=DRG&datum=na...> 4/18/2007

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Unnamed Tributary to be Relocated